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=> file pnttext

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'EPFULL' ENTERED AT 09:02:43 ON 20 MAR 2008

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FILE 'USPATFULL' ENTERED AT 09:02:43 ON 20 MAR 2008

CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPATOLD' ENTERED AT 09:02:43 ON 20 MAR 2008

CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 09:02:43 ON 20 MAR 2008

CA INDEXING COPYRIGHT (C) 2008 AMERICAN CHEMICAL SOCIETY (ACS)

=> s polyarylene sulfide# or poly arylene sulfide#

L1 4176 POLYARYLENE SULFIDE# OR POLY ARYLENE SULFIDE#

=> s l1 and dehydration step# and heat?

7 FILES SEARCHED...

L2 120 L1 AND DEHYDRATION STEP# AND HEAT?

=> s l2 and organic amide solvent# and sulfur source

L3 27 L2 AND ORGANIC AMIDE SOLVENT# AND SULFUR SOURCE

=> s l3 and distillation column

L4 5 L3 AND DISTILLATION COLUMN

=> s l4 and reflux?

L5 5 L4 AND REFLUX?

=> s l5 and cool?

L6 5 L5 AND COOL?

=> s l6 and water and hydrogen sulfide#

L7 5 L6 AND WATER AND HYDROGEN SULFIDE#

=> s l7 and dihalo aromatic compound#

L8 4 L7 AND DIHALO AROMATIC COMPOUND#

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=> d 18 1-4

L8 ANSWER 1 OF 4 EPFULL COPYRIGHT 2008 EPO/FIZ KA on STN

AN 2003:138402 EPFULL  
DUPD 20040915 DUPW 200438

TIEN PROCESS FOR PRODUCING POLYARYLENE SULFIDE.  
TIFR PROCEDE DE PRODUCTION DE SULFURE DE POLYARYLENE.  
IN SATO, Hiroyuki, Kureha Chemical Ind. Co. Ltd., Nishiki Research Lab.,  
16, Ochiai, Nishiki-machi, Iwaki-shi, Fukushima 974-8686, JP;  
KAWASAKI, Tatsuya, Kureha Chemical Ind. Co. Ltd., Nishiki Research Lab.,  
16, Ochiai, Nishiki-machi, Iwaki-shi, Fukushima 974-8686, JP;  
NAKAZAWA, Yasushi, Kureha Chemical Ind. Co. Ltd., Nishiki Plant, 16,  
Ochiai, Nishiki-machi, Iwaki-shi, Fukushima 974-8686, JP  
PA Kureha Chemical Industry Co., Ltd., (Chemical Industry Co., Ltd.,  
Kureha), 9-11, Nihonbashi Horidome-cho 1-chome, Chuo-ku, Tokyo 103-8552,  
JP  
PAN 4076310  
DT Patent  
LAF Japanese  
LA English  
LAP English  
TL English; French  
PIT WOAI International application published with search report  
PI WO 2004060974 A1 20040722  
DS AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE  
SI SK TR  
EXTENSION STATES: AL LT LV MK  
AI EP 2003-782838 A 20031219  
WO 2003-JP16334 A 20031219  
PRAI JP 2002-382249 A 20021227  
IC.VER 7  
ICM C08G075-04

AN 2003:138402 EPFULL ED 20050928 UP 20070801  
DUPD 20070801 DUPW 200731

TIEN PROCESS FOR PRODUCING POLYARYLENE SULFIDE.  
TIFR PROCEDE DE PRODUCTION DE SULFURE DE POLYARYLENE.  
TIDE VERFAHREN ZUR HERSTELLUNG VON POLYARYLENSULFID.  
IN SATO, Hiroyuki, Kureha Chemical Ind. Co. Ltd., Nishiki Research Lab., 16,  
Ochiai, Nishiki-machi, Iwaki-shi, Fukushima 974-8686, JP;  
KAWASAKI, Tatsuya, Kureha Chemical Ind. Co. Ltd., 9-1, Nihonbashi  
Horidomecho 1-chome, Chuo-ku, Tokyo 103-8552, JP;  
NAKAZAWA, Yasushi, Kureha Chemical Ind. Co. Ltd., Nishiki Plant, 16,  
Ochiai, Nishiki-machi, Iwaki-shi, Fukushima 974-8686, JP  
PA Kureha Corporation, 3-3-2, Nihonbashi-Hamacho, Chuo-ku, Tokyo 103-8552,  
JP  
PAN 7199200  
AG Jones, Helen M.M., Gill Jennings & Every LLP Broadgate House 7 Eldon  
Street, London EC2M 7LH, GB  
AGN 57931  
DT Patent  
LAF Japanese  
LA English  
LAP English  
TL German; English; French  
PIT EPAI Application published with search report  
PI EP 1580212 A1 20050928

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WO 2004060974 20040722  
DS AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE  
SI SK TR  
AI EP 2003-782838 A 20031219  
WO 2003-JP16334 A 20031219  
PRAI JP 2002-382249 A 20021227  
IPCI C08G0075-04 [I,A]  
C08G0075-00 [I,C\*]  
  
L8 ANSWER 2 OF 4 EPFULL COPYRIGHT 2008 EPO/FIZ KA on STN  
  
AN 1997:7402 EPFULL  
DUPD 19970903 DUPW 199736  
TIEN Process for producing poly (arylene sulfide  
) .  
TIFR Procede de preparation de polyarylene sulphide.  
TIDE Verfahren zur Herstellung von Polyarylensulfiden.  
IN Miyahara, Michihisa, 6003 Caddy Circle, Wilmington, NC 28405, US;  
Sato, Hiroyuki, 12-6 Kimigatsuka-machi, Onahama, Iwaki-shi,  
Fukushima-ken, JP;  
Satake, Yoshikatsu, 1-1-15 Nakaoka-machi, Iwaki-shi, Fukushima-ken, JP  
PA KUREHA KAGAKU KOGYO KABUSHIKI KAISHA, 1-9-11, Nihonbashi, Horidome-cho,  
Chuo-ku Tokyo 103, JP  
PAN 269303  
AG Jones, Helen Marjorie Meredith, Gill Jennings & Every, Broadgate House,  
7 Eldon Street, London EC2M 7LH, GB  
AGN 57931  
DT Patent  
LAF English  
LA English  
LAP English  
TL German; English; French  
PIT EPA2 Application published without search report  
PI EP 792904 A2 19970903  
DS BE DE FR GB IT NL  
AI EP 1997-301049 A 19970219  
PRAI JP 1996-58316 A 19960221  
IC.VER 6  
ICM C08G075-02  
  
AN 1997:7402 EPFULL  
DUPD 19980415 DUPW 199816  
TIEN Process for producing poly (arylene sulfide  
) .  
TIFR Procede de preparation de polyarylene sulphide.  
TIDE Verfahren zur Herstellung von Polyarylensulfiden.  
IN Miyahara, Michihisa, 6003 Caddy Circle, Wilmington, NC 28405, US;  
Sato, Hiroyuki, 12-6 Kimigatsuka-machi, Onahama, Iwaki-shi,  
Fukushima-ken, JP;  
Satake, Yoshikatsu, 1-1-15 Nakaoka-machi, Iwaki-shi, Fukushima-ken, JP  
PA KUREHA KAGAKU KOGYO KABUSHIKI KAISHA, 1-9-11, Nihonbashi, Horidome-cho,  
Chuo-ku Tokyo 103, JP  
PAN 269303  
AG Jones, Helen Marjorie Meredith, Gill Jennings & Every, Broadgate House,  
7 Eldon Street, London EC2M 7LH, GB  
AGN 57931  
DT Patent  
LAF English  
LA English

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LAP English  
TL German; English; French  
PIT EPA3 Separate publication of search report  
PI EP 792904 A3 19980415  
DS BE DE FR GB IT NL  
AI EP 1997-301049 A 19970219  
PRAI JP 1996-58316 A 19960221  
IC.VER 6  
ICM C08G075-02

AN 1997:7402 EPFULL UP 20080215  
DUPD 20080213 DUPW 200807  
TIEN Process for producing poly (arylene sulfide  
) .  
TIFR Procede de preparation de polyarylene sulphide.  
TIDE Verfahren zur Herstellung von Polyarylensulfiden.  
IN Miyahara, Michihisa, 6003 Caddy Circle, Wilmington, NC 28405, US;  
Sato, Hiroyuki, 12-6 Kimigatsuka-machi, Onahama, Iwaki-shi,  
Fukushima-ken, JP;  
Satake, Yoshikatsu, 1-1-15 Nakaoka-machi, Iwaki-shi, Fukushima-ken, JP  
PA KUREHA KAGAKU KOGYO KABUSHIKI KAISHA, 1-9-11, Nihonbashi, Horidome-cho,  
Chuo-ku, Tokyo 103-8552, JP  
PAN 269303  
AG Jones, Helen M.M., Gill Jennings & Every LLP Broadgate House 7 Eldon  
Street, London EC2M 7LH, GB  
AGN 57931  
DT Patent  
LAF English  
LA English  
LAP English  
TL German; English; French  
PIT EPB1 Granted patent  
PI EP 792904 B1 20030423  
DS BE DE FR GB IT NL  
AI EP 1997-301049 A 19970219  
PRAI JP 1996-58316 A 19960221  
REP EP 373364 A  
JP 2160833 A  
US 3783138 A  
IPCI C08G0075-02 [I,A]  
C08G0075-00 [I,C\*]

L8 ANSWER 3 OF 4 USPATFULL on STN  
AN 2006:105378 USPATFULL  
TI Process for producing polyarylene sulfide  
IN Sato, Hiroyuki, Fukushima, JAPAN  
Kawasaki, Tatsuya, Tokyo, JAPAN  
Nakazawa, Yasushi, Fukushima, JAPAN  
PI US 2006089486 A1 20060427  
AI US 2003-540836 A1 20031219 (10)  
WO 2003-JP16334 20031219  
20050623 PCT 371 date  
PRAI JP 2002-382249 20021227  
DT Utility  
FS APPLICATION  
LN.CNT 1099  
INCL INCLM: 528/381.000  
NCL NCLM: 528/381.000  
IC IPCI C08G0075-16 [I,A]; C08G0075-00 [I,A]

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IPCR C08G0075-00 [I,C]; C08G0075-16 [I,A]; C08G0075-00 [I,A];  
C08G0075-02 [I,A]; C08G0075-04 [I,A]

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L8 ANSWER 4 OF 4 USPATFULL on STN

AN 1998:147543 USPATFULL

TI Process for producing poly(arylene sulfide  
)

IN Miyahara, Michihisa, Wilmington, NC, United States  
Sato, Hiroyuki, Fukushima-ken, Japan  
Satake, Yoshikatsu, Fukushima-ken, Japan

PA Kureha Kagaku Kogyo K.K., Tokyo, Japan (non-U.S. corporation)

PI US 5840830 19981124

AI US 1997-802343 19970211 (8)

PRAI JP 1996-58316 19960221

DT Utility

FS Granted

LN.CNT 1269

INCL INCLM: 528/388.000

NCL NCLM: 528/388.000

IC [6]

ICM C08G075-14

IPCI C08G0075-14 [ICM,6]; C08G0075-00 [ICM,6,C\*]

IPCR C08G0075-00 [I,C\*]; C08G0075-02 [I,A]

EXF 528/388

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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